



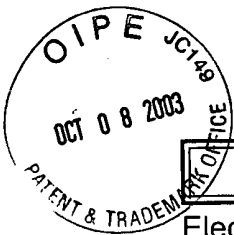
Electronic Filing System (EFS) Data  
Electronic Patent Application Submission  
USPTO Use Only

EFS ID: 49050  
Application ID: 10624360  
Title of Invention: A BATTERY-POWERED SEWER  
AND DRAIN CLEANER  
First Named Inventor: DAVID MANNING  
Domestic/Foreign Application: Domestic Application  
Filing Date: 2003-07-22  
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Submission Type: Information Disclosure  
Statement  
Filing Type:  
Confirmation number: 7676  
Attorney Docket Number: NONE




Total Fees Authorized:

Digital Certificate Holder: cn=Dennis L. Thomte,ou=Registered Attorneys,ou=Patent and  
Trademark Office,ou=Department of Commerce,o=U.S. Government,c=US  
Certificate Message Digest: 66910be9dbe2fccae2fa48064ca27a2c5c03d3df



# TRANSMITTAL


Electronic Version v1.1  
Stylesheet Version v1.1.0

<b>Title of Invention</b>	<b>A BATTERY-POWERED SEWER AND DRAIN CLEANER</b>									
<p>Application Number: 10/624360 </p> <p>Date: 2003-07-22</p> <p>First Named Applicant: DAVID W. MANNING</p> <p>Confirmation Number: 7676</p> <p>Attorney Docket Number:</p>										
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<table border="1"><thead><tr><th>Submitted by:</th><th>Elec. Sign.</th><th>Sign. Capacity</th></tr></thead><tbody><tr><td>DENNIS L. THOMTE Registered Number: 22,497</td><td>Dennis L. Thomte</td><td>Attorney</td></tr></tbody></table>			Submitted by:	Elec. Sign.	Sign. Capacity	DENNIS L. THOMTE Registered Number: 22,497	Dennis L. Thomte	Attorney		
Submitted by:	Elec. Sign.	Sign. Capacity								
DENNIS L. THOMTE Registered Number: 22,497	Dennis L. Thomte	Attorney								
<table><tr><td>Documents being submitted</td><td>Files</td></tr><tr><td>us-ids</td><td>manning360-usidst.xml</td></tr><tr><td></td><td>us-ids.dtd</td></tr><tr><td></td><td>us-ids.xsl</td></tr></table>			Documents being submitted	Files	us-ids	manning360-usidst.xml		us-ids.dtd		us-ids.xsl
Documents being submitted	Files									
us-ids	manning360-usidst.xml									
	us-ids.dtd									
	us-ids.xsl									
<b>Comments</b>										



# ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18  
Stylesheet Version v18.0

Title of Invention	A BATTERY-POWERED SEWER AND DRAIN CLEANER						
Application Number: 10/624360							
Confirmation Number: 7676							
First Named Applicant: DAVID MANNING							
Attorney Docket Number:							
Search string: ( 5226207 or 5107550 or 4793017 or 4763374 or 2730740 or 2297755 or D312900 or D271436 ).pn.							
US Patent Documents							
Note: Applicant is not required to submit a paper copy of cited US Patent Documents							
init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	5226207	1993-07-13	ELZAURDIA		15	104.31
	2	5107550	1992-04-28	HAWRO		4	255
	3	4793017	1988-12-27	KAYE		15	104.33
	4	4763374	1988-08-16	KAYE		15	104.33
	5	2730740	1956-01-17	O'BRIEN		15	104.3
	6	2297755	1942-10-06	FAUST		15	104.30
	7	D312900	1990-12-11	RUSSELL ET AL.		D32	14
	8	D271436	1983-11-15	BABB ET AL.		D32	14
Signature							
Examiner Name					Date		